

<b>FORM PTO-1390</b> U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		<b>ATTORNEY DOCKET NUMBER</b> <b>SMAR-0013</b>
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>		<b>U.S. APPLICATION NO. (if known see 37 C.F.R. 1.5)</b> <b>10/019,341</b>
<b>INTERNATIONAL APPLICATION NO.</b> <b>PCT/CA00/00762</b>	<b>INTERNATIONAL FILING DATE</b> <b>23 June 2000 (23.06.00)</b>	<b>PRIORITY DATE CLAIMED</b> <b>24 June 1999 (24.06.99)</b>
<b>TITLE OF INVENTION LPL VARIANT THERAPEUTICS</b>		
<b>APPLICANT(S) FOR DO/EO/US Michael R. HAYDEN and John J.P. KASTELEIN</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input checked="" type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f) ) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).</p> <p>4. <input type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</p> <p>5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <p>    a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</p> <p>    b. <input type="checkbox"/> has been transmitted by the International Bureau.</p> <p>    c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</p> <p>6. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p>    a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</p> <p>    b. <input type="checkbox"/> have been transmitted by the International Bureau.</p> <p>    c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>    d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) 35 U.S.C. 371(c)(4).</p> <p>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p><b>Items 11. to 16. below concern other document(s) or information included:</b></p> <p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A FIRST preliminary amendment.</p> <p>    <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.</p> <p>14. <input type="checkbox"/> A substitute specification.</p> <p>15. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>16. <input checked="" type="checkbox"/> Other items or information:</p> <ul style="list-style-type: none"><li>- Copy of Notification of Missing Requirements dated March 5, 2002.</li><li>- Sequence Listing in written form (7 sheets) and computer readable format (1 diskette).</li><li>- Transmittal Letter Submitting Sequence Listing (1 sheet).</li><li>- Statement to Support Filing and Submission (1 sheet).</li><li>- Associate Power of Attorney.</li></ul>		
EXPRESS MAIL Mailing Label No. EV 047252545 US Date of Deposit: May 3, 2002		

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<b>17. The following fees are submitted:</b> <b>Basic National Fee (37 CFR 1.492(a)(1) - (5)):</b> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO.....\$1,040.00  International preliminary examination fee (37 CFR 1.482 not paid to USPTO but International Search Report has been prepared by the EPO or JPO.....\$890.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO.....\$740.00  International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4).....\$710.00  International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4).....\$100.00  <b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				<b>CALCULATIONS</b>		<b>PTO USE ONLY</b>	
Surcharge of \$130.00 for furnishing the oath or declaration later than _ 20 <u>X</u> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$130.00			
Claims		Number Filed		Number Extra		Rate	
Total claims		- 20 =				X \$18.00	
Independent Claims		- 3 =				x \$84.00	
Multiple dependent claims(s) (if applicable)				+ \$280.00		\$	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$130.00</b>			
___ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$			
<b>SUBTOTAL =</b>				<b>\$</b>			
Processing fee of \$130.00 for furnishing the English translation later the _ 20 _ 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				+		\$	
<b>TOTAL NATIONAL FEE =</b>				<b>\$</b>			
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+			
<b>TOTAL FEES ENCLOSED =</b>				<b>\$130.00</b>			
715/E00E HAL111 00000055 10019341 FC:154 130.00 0P				<b>Amount to be:</b>			
				<b>refunded</b>		\$	
				<b>charged</b>		\$	
a. <u>X</u> A check in the amount of \$130 to cover the above fee is enclosed.							
b. ___ Please charge my Deposit Account No. 23-3050 in the amount of \$_____ to cover the above fees. A duplicate copy of this sheet is enclosed.							
c. <u>X</u> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-3050. A duplicate copy of this sheet is enclosed.							
<b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b>							
SEND ALL CORRESPONDENCE TO:							
Jeffrey J. King, Esq. Woodcock Washburn LLP One Liberty Place - 46th Floor Philadelphia, PA 19103 (215) 568-3100							
				SIGNATURE			
				Jeffrey J. King, Esq.			
				NAME			
				38,515			
				REGISTRATION NUMBER			